

First Named Inventor: **Richard O. Ruhr**

U.S. Application Ser. No. **10/781,385**

-1-

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	: Richard O. Ruhr	
Appln. No.	: 10/781,385	Group Art Unit: 1714
Filed	: February 18, 2004	Examiner: Lang, Amy T.
Title	: CONVEYOR LUBRICANTS FOR USE IN THE FOOD AND BEVERAGE INDUSTRIES	
Docket No.	: E260.12-0014	

DECLARATION OF RICHARD O. RUHR

I, Richard O. Ruhr, 2864 Colbert Avenue NW, Buffalo, Minnesota, 55313, hereby declare as follows:

1. I am one of the inventors of the subject matter disclosed and claimed in U.S. Patent Application Ser. No. 10/781,385.
2. The DEGRESSAL® SD 20 used in Examples 1-4 is a C₉-C₁₁ propoxylated alcohol having 9 propoxy groups. Please see attached Exhibit A.
3. The TRITON® EF 19 used in Comparative Example J is a C₈-C₁₀ alkoxyated alcohol having a mixture of ethoxy and propoxy groups. Please see attached Exhibit B.
4. I caused to be prepared the compositions of Example 1, Comparative Example L, and Comparative Example J having varying component concentrations of oleyl ether carboxylate (10 moles ethoxylation), sodium alkyl naphthalene sulfonate (50%

active), C₉-C₁₁ propoxylated alcohol, C₈-C₁₀ alkoxylated alcohol, low foam surfactant concentrate proprietary amine based gemini surfactant, chloralyl triaza azoniaadamentane, dodecyl/tetradecyloxypropyl-1,3-diaminopropane, phosphated amine oxide, dicarboxylic acid mixture, sodium gluconate (granular), sodium laureth-13-carboxylate, water (zeolite), and sodium hydroxide.

5. Example 1 and Comparative Example L had varying component concentrations of sodium alkyl naphthalene sulfonate (50% active), C₉-C₁₁ propoxylated alcohol, C₈-C₁₀ alkoxylated alcohol, chloralyl triaza azoniaadamentane, sodium laureth-13-carboxylate, water (zeolite), and sodium hydroxide. The sodium alkyl naphthalene sulfonate (50% active) functions solely as a coupling agent and would have no effect on the foam destabilizing properties of a composition. Chloralyl triaza azoniaadamentane functions solely as a preservative and would have no effect on the foam destabilizing properties of a composition. Sodium laureth-13-carboxylate functions solely as a surfactant and would have no effect on the foam destabilizing properties of a composition. The amount of water present in the composition would have no effect on the foam destabilizing properties of a composition (zeolite). Sodium hydroxide functions solely as a pH adjuster and would have no effect on the foam destabilizing properties of a composition.
6. The compositions of Example 1 and Comparative Example L illustrate an appropriate comparison of the enhanced ability of a C₉-C₁₁ propoxylated alcohol, as compared to a C₈-C₁₀ alkoxylated alcohol, to function as a foam destabilizer.
7. Example 1 and Comparative Example J had varying component concentrations of sodium alkyl naphthalene sulfonate (50% active), C₉-C₁₁ propoxylated alcohol, low foam surfactant concentrate, proprietary amine based gemini surfactant, chloralyl triaza azoniaadamentane, water (zeolite), and sodium hydroxide. The sodium alkyl

naphthalene sulfonate (50% active) functions solely as a coupling agent and would have no effect on the foam destabilizing properties of a composition. Chloralyl triaza azoniaadamantane functions solely as a preservative and would have no effect on the foam destabilizing properties of a composition. The amount of water present in the composition would have no effect on the foam destabilizing properties of a composition (zeolite). Sodium hydroxide functions solely as a pH adjuster and would have no effect on the foam destabilizing properties of a composition.

8. The compositions of Example 1 and Comparative Example J illustrate an appropriate comparison of the enhanced ability of a C₉-C₁₁ propoxylated alcohol, as compared to a low foam surfactant concentrate and a proprietary amine based gemini surfactant, to function as a foam destabilizer.

I declare that all statements made herein that are of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that the statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the above-identified USPTO application or any patent issuing thereon.

Declarant: Richard O. Ruhr
(Printed Name)

Declarant: Richard O. Ruhr
(Signature)

Date: 4-16-07

183053

Material Safety Data Sheet

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BASF CORPORATION
 PERFORMANCE CHEMICALS
 3000 CONTINENTAL DRIVE NORTH
 MOUNT OLIVE, NJ 07828
 (800) 443-6460

Original Date: 01/26/1996
 Revision Date: 05/19/2001

EMERGENCY TELEPHONE: (800) 424-9300 CHEMTREC
 (800) 832-HELP (BASF Hotline)

BOTH NUMBERS ARE AVAILABLE DAYS, NIGHTS, WEEKENDS, & HOLIDAYS.

SECTION 1 - PRODUCT INFORMATION

DEGRESSAL® SD-20 SURFACTANT

Product ID: NCS 019021

Common Chemical Name:

PROPOXYLATED ALCOHOL

Synonyms:

NONE

Molecular Formula:

NA

Chemical Family: Non-ionic surfactant

Molecular Wt.: 1,320.0

SECTION 2 - INGREDIENTS

Chemical Name:

ALCOHOLS, C9-11, PROPOXYL

PEL/TLV NOT ESTABLISHED

SECTION 3 - PHYSICAL PROPERTIES

Color: Clear
 Form/Appearance: Liquid
 Odor: NOT AVAILABLE

	Typical	Low/High	U.O.M.
Specific Gravity:	0.96		
pH:	7		SU

	Typical	Low/High	Deg.	@	Pressure
Boiling Pt:	NOT AVAILABLE				
Freezing Pt:	-50		C	760	MM HG
Decomp. Temp:	NOT AVAILABLE				
Solubility in Water	Description: Insoluble				

SECTION 4 - FIRE AND EXPLOSION DATA

	Typical	Low/High	Deg.	Method
Flash Point:	225		C	DIN 51376
Autoignition:	280		C	DIN 51376

Extinguishing Media:

BASF'S

Ernesto Lipperts
 said that
 Degressal SD-20 has

a Molecular Weight

(973-426-6730)

MW = 863

2-4-04



THE DOW CHEMICAL COMPANY
MATERIAL SAFETY DATA SHEET



Product Name: TRITON(TM) EF-19 Surfactant
MSDS#: 40516

Effective Date: 08/16/2002
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Dow (hereinafter, and for purposes of this MSDS only, refers to The Dow Chemical Company and to Dow Chemical Canada Inc.) encourages and expects you to read and understand the entire MSDS, as there is important information throughout the document. Dow expects you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 IDENTIFICATION

Product Name TRITON(TM) EF-19 Surfactant

1.2 COMPANY IDENTIFICATION

The Dow Chemical Company
Midland, MI 48674

1.3 EMERGENCY TELEPHONE NUMBER

24-HOUR EMERGENCY TELEPHONE NUMBER: (989)636-4400.
Customer Information Number: 1-800-258-2436.

* or ® Indicates a Trademark of The Dow Chemical Company.

MATERIAL SAFETY DATA SHEET

Product Name: TRITON(TM) EF-19 Surfactant
MSDS#: 40516

Effective Date: 08/16/2002
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2. COMPOSITION INFORMATION

Component	CAS #	Amount (%W/W)
Alcohols, C8-C10, ethoxylated propoxylated	68603-25-8	> 98 %
Polyethylene glycol	25322-68-3	< 2%

3. HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Appearance Yellow

Physical State Liquid

Odor Mild

Hazards of product CAUSES SEVERE EYE BURNS.
CAUSES RESPIRATORY TRACT IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY BE HARMFUL IF SWALLOWED.

ISOLATE AREA.
KEEP UPWIND OF SPILL.
SLIPPING HAZARD.

3.2 POTENTIAL HEALTH EFFECTS

Effects of Single Acute Overexposure

Inhalation Excessive exposure may cause severe irritation to the upper respiratory tract (nose and throat).